

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows:

On page 1, after the title of the application, please insert the following section:

This application is a 371 national phase filing of PCT/JP2003/015818 filed December 10, 2003, and claims priority to Japanese application No. 2002-360976 filed December 12, 2002 and to Japanese application No. 2002-381415 filed December 27, 2002.

Please amend the paragraph on page 3 line 32 through page 4 line 14, as follows:

Besides, the stretch rod extending device according to the present invention comprises; a cylinder, of which the front end is opened and the rear end is closed; the cylindrical plunger, which is inserted into the cylinder and movable in and out from the front end of the cylinder; a magnetic nut member, which is fit inside the plunger; the magnetic screw shaft, which is stably inserted from a first bearing member, fixed on the rear end of the cylinder, into the plunger through the magnetic nut member with keeping required clearance between the magnetic screw shaft and the magnetic nut member so as to match the same magnetic poles; and the electrical servo motor, which is connected to the magnetic screw shaft and rotates the magnetic screw shaft forward or reverse, and the required clearance between the magnetic nut member and magnetic screw shaft is

maintained by a front shaft of the magnetic screw shaft, a second bearing, installed between the front shaft and the plunger, and the first bearing member.

Please amend the paragraph on page 5 line 17 through page 6 line 4, as follows:

The bottom mold lifting device comprises: a cylinder, of which the front end is opened and the rear end is closed; a spline bush, which fits in the front end of the cylinder; the plunger, having a splined portion, which is formed on the outer peripheral surface and engages with the spline bush, and movable in and out from the front end of the cylinder; the magnetic screw shaft, which is stably inserted from a first bearing member, fixed on the rear end of the cylinder, into the plunger through the magnetic nut member by keeping required clearance between the magnetic screw shaft and the magnetic nut member so as to match the same magnetic poles; and the electrical servo motor, which is connected to a rear shaft and rotates the magnetic screw shaft forward or reverse, and wherein the cylinder is mounted vertically on the lower surface of the base under the blow mold with keeping the electrical servo motor down, and the plunger is connected to the bottom mold through the opening of the base, and a front shaft of the magnetic screw shaft is movable in a concavity of the bottom mold, and the required clearance between the magnetic nut member and magnetic screw shaft is maintained by the first bearing member and a second bearing member installed between the front shaft and the plunger.

Please amend the paragraphs at page 7 line 21 through page 8 line 16 as follows:

The extending device 6 comprises a cylinder 63, of which the front end is opened and the rear end is closed, and which is also used as a casing; a cylindrical plunger 61, which is inserted into the cylinder 63 and movable in and out from the front end of the cylinder 63; a magnetic nut member 65, which is fit inside the plunger 61; a magnetic screw shaft 66, which is inserted from a first bearing member 68b, fixed on the rear end of the cylinder 63, through the magnetic nut member 65 and the plunger 61, and of which the front shaft 66a is supported by the second bearing member 65—68a in the plunger 61; and an electrical servo motor 69, which is installed on a base 67 mounted on the rear end of the cylinder 63, and of which a drive shaft 69a is jointed to a rear shaft 66b of the magnetic screw shaft 66, supported by the first bearing member 68b. Besides, a guide bush 61b is inserted between the cylinder 63 and the plunger 61, and retained with a ring.

The magnetic nut member 65 and magnetic screw shaft 66 having about 65 N of step out strength comprise spiral N magnetic pole and S magnetic pole alternately provided on inner peripheral surface of a cylindrical permanent magnetic member and outer peripheral surface of a permanent magnetic shaft at a same regular pitch. The magnetic screw shaft 66 is set into the magnetic nut member 65 with keeping required clearance (e.g. 5mm) so as to match the magnetic pole to oppose the magnetic nut member 65 at the same poles each other, and inserted into the

plunger 61. The required clearance is maintained by the second bearing 65-68a supporting the front shaft 66a and the first bearing member 68b supporting the rear shaft 66b, and the magnetic shaft 66 keeps the magnetic pole opposed to the magnetic nut member 65 at the same poles each other.

Please amend the paragraph(s) at page 11 line 28 through page 12 line 23 as follows:

A front shaft 117a of the magnetic screw shaft 117 is movable in a concavity 38 of the bottom mold 35, and a second bearing 119 is installed between the front shaft 117a and the plunger 115. Besides, a rear shaft 117b is rotatably guided in a first bearing member 120, which is fit in the rear end of the cylinder 112. The second bearing 119 and the first bearing member 120 support the magnetic screw member 117 vertically in the plunger 115. A base 121 for the electrical servo motor 114 is mounted under the first bearing member 120, and the drive shaft of the electrical servo motor 114 and magnetic screw shaft 117 are jointed inside the base 121.

A bush 122 is installed between the cylinder 112 and outer peripheral surface of the rear end of the plunger 115 to retain the axis.

The magnetic nut member 116 and magnetic screw shaft 117 having about 65 N of step out strength comprise spiral N magnetic pole and S magnetic pole alternately provided on inner peripheral surface of a cylindrical permanent magnetic member and outer peripheral surface of a permanent magnetic shaft at a same regular pitch similarly to the magnetic screw shaft 66 of the extending device 6 mentioned above. The magnetic screw shaft

117 is set into the magnetic nut member 116 with keeping required clearance (e.g. 5mm) so as to match the magnetic pole to oppose the magnetic nut member 116 at the same poles each other, and inserted into the plunger 115. The required clearance is maintained by the second bearing 119, supporting the front shaft 117a, and the first bearing member 120, supporting the rear shaft 117b, and the magnetic screw shaft 117 keeps the magnetic pole opposed to the magnetic nut member 116 at the same poles each other.